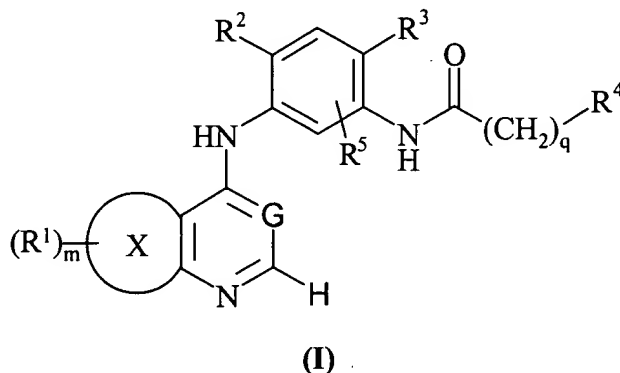


**IN THE CLAIMS:**

Claim 1 (currently amended): A bicyclic compound of the Formula (I):



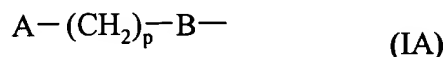
wherein:

G is N;

ring X is a 5- or 6-membered fused heteroaryl ring which contains 1, 2 or 3 heteroatoms selected from oxygen, sulphur and nitrogen;

m is 0, 1 or 2;

R<sup>1</sup> is hydroxy, halo, trifluoromethyl, cyano, mercapto, nitro, ~~amino~~-carboxy, carbamoyl, formyl, sulphamoyl, C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl, C<sub>2-6</sub>alkynyl, C<sub>1-6</sub>alkoxy, -O-(C<sub>1-3</sub>alkyl)-O-, C<sub>1-6</sub>alkylS(O)<sub>n</sub>- (wherein n is 0-2), N-C<sub>1-6</sub>alkylamino, N,N-(C<sub>1-6</sub>alkyl)<sub>2</sub>amino, C<sub>1-6</sub>alkoxycarbonyl, N-C<sub>1-6</sub>alkylcarbamoyl, N,N-(C<sub>1-6</sub>alkyl)<sub>2</sub>carbamoyl, C<sub>2-6</sub>alkanoyl, C<sub>1-6</sub>alkanoyloxy, C<sub>1-6</sub>alkanoylamino, N-C<sub>1-6</sub>alkylsulphamoyl, N,N-(C<sub>1-6</sub>alkyl)<sub>2</sub>sulphamoyl, C<sub>1-6</sub>alkylsulphonylamino, C<sub>1-6</sub>alkylsulphonyl-N-(C<sub>1-6</sub>alkyl)amino, or R<sup>1</sup> is of the Formula (IA):



wherein A is halo, hydroxy, C<sub>1-6</sub>alkoxy, C<sub>1-6</sub>alkylS(O)<sub>n</sub>- (wherein n is 0-2), cyano, amino, N-C<sub>1-6</sub>alkylamino, N,N-(C<sub>1-6</sub>alkyl)<sub>2</sub>amino, carboxy, C<sub>1-6</sub>alkoxycarbonyl, carbamoyl, N-C<sub>1-6</sub>alkylcarbamoyl or N,N-(C<sub>1-6</sub>alkyl)<sub>2</sub>carbamoyl, p is 1 - 6, and B is a bond, oxy, imino, N-(C<sub>1-6</sub>alkyl)imino or -C(O)NH-, with the proviso that p is 2 or more unless B is a bond or -C(O)NH-,

or R<sup>1</sup> is of the Formula (IB):



wherein D is aryl, heteroaryl or heterocyclyl and E is a bond, C<sub>1-6</sub>alkylene, C<sub>1-6</sub>alkyleneoxy, oxy, imino, *N*-(C<sub>1-6</sub>alkyl)imino, C<sub>1-6</sub>alkyleneimino, *N*-(C<sub>1-6</sub>alkyl)-C<sub>1-6</sub>alkyleneimino, C<sub>1-6</sub>alkyleneoxy-C<sub>1-6</sub>alkylene, C<sub>1-6</sub>alkyleneimino-C<sub>1-6</sub>alkylene, *N*-(C<sub>1-6</sub>alkyl)-C<sub>1-6</sub>alkyleneimino-C<sub>1-6</sub>alkylene, -C(O)NH-, -SO<sub>2</sub>NH-, -NHSO<sub>2</sub>- or C<sub>2-6</sub>alkanoylimino,

and any aryl, heteroaryl or heterocyclyl group in a R<sup>1</sup> group may be optionally substituted with one or more groups selected from hydroxy, halo, C<sub>1-6</sub>alkyl, C<sub>1-6</sub>alkoxy, carboxy, C<sub>1-6</sub>alkoxycarbonyl, carbamoyl, *N*-C<sub>1-6</sub>alkylcarbamoyl, *N*-(C<sub>1-6</sub>alkyl)<sub>2</sub>carbamoyl, C<sub>2-6</sub>alkanoyl, amino, *N*-C<sub>1-6</sub>alkylamino and *N,N*-(C<sub>1-6</sub>alkyl)<sub>2</sub>amino, and any heterocyclyl group in a R<sup>1</sup> group may be optionally substituted with one or two oxo or thioxo substituents,

and any of the R<sup>1</sup> groups defined hereinbefore which comprises a CH<sub>2</sub> group which is attached to 2 carbon atoms or a CH<sub>3</sub> group which is attached to a carbon atom may optionally bear on each said CH<sub>2</sub> or CH<sub>3</sub> group a substituent selected from hydroxy, amino, C<sub>1-6</sub>alkoxy, *N*-C<sub>1-6</sub>alkylamino, *N,N*-(C<sub>1-6</sub>alkyl)<sub>2</sub>amino and heterocyclyl;

R<sup>2</sup> is hydrogen, halo, C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl or C<sub>2-6</sub>alkynyl;

R<sup>3</sup> is hydrogen, halo, C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl or C<sub>2-6</sub>alkynyl;

R<sup>4</sup> is hydrogen, hydroxy, C<sub>1-6</sub>alkyl, C<sub>1-6</sub>alkoxy, amino, *N*-C<sub>1-6</sub>alkylamino, *N,N*-(C<sub>1-6</sub>alkyl)<sub>2</sub>amino, hydroxyC<sub>2-6</sub>alkoxy, C<sub>1-6</sub>alkoxyC<sub>2-6</sub>alkoxy, aminoC<sub>2-6</sub>alkoxy, *N*-C<sub>1-6</sub>alkylaminoC<sub>2-6</sub>alkoxy, *N,N*-(C<sub>1-6</sub>alkyl)<sub>2</sub>aminoC<sub>2-6</sub>alkoxy or C<sub>3-7</sub>cycloalkyl,

or R<sup>4</sup> is of the Formula (IC):

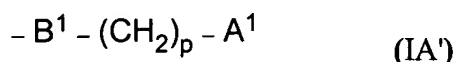


wherein J is aryl, heteroaryl or heterocyclyl and K is a bond, oxy, imino, *N*-(C<sub>1-6</sub>alkyl)imino, oxyC<sub>1-6</sub>alkylene, iminoC<sub>1-6</sub>alkylene, *N*-(C<sub>1-6</sub>alkyl)iminoC<sub>1-6</sub>alkylene, -NHC(O)-, -SO<sub>2</sub>NH-, -NHSO<sub>2</sub>- or -NHC(O)-C<sub>1-6</sub>alkylene-,

and any aryl, heteroaryl or heterocyclyl group in a R<sup>4</sup> group may be optionally substituted by one or more groups selected from hydroxy, halo, trifluoromethyl, cyano, mercapto, nitro,

amino, carboxy, carbamoyl, formyl, sulphamoyl, C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl, C<sub>2-6</sub>alkynyl, C<sub>1-6</sub>alkoxy, -O-(C<sub>1-3</sub>alkyl)-O-, C<sub>1-6</sub>alkylS(O)<sub>n</sub>- (wherein n is 0-2), N-C<sub>1-6</sub>alkylamino, N,N-(C<sub>1-6</sub>alkyl)<sub>2</sub>amino, C<sub>1-6</sub>alkoxycarbonyl, N-C<sub>1-6</sub>alkylcarbamoyl, N,N-(C<sub>1-6</sub>alkyl)<sub>2</sub>carbamoyl, C<sub>2-6</sub>alkanoyl, C<sub>1-6</sub>alkanoyloxy, C<sub>1-6</sub>alkanoylamino, N-C<sub>1-6</sub>alkylsulphamoyl, N,N-(C<sub>1-6</sub>alkyl)<sub>2</sub>sulphamoyl, C<sub>1-6</sub>alkylsulphonylamino and C<sub>1-6</sub>alkylsulphonyl-N-(C<sub>1-6</sub>alkyl)amino,

or any aryl, heteroaryl or heterocyclyl group in a R<sup>4</sup> group may be optionally substituted with one or more groups of the Formula (IA'):



wherein A<sup>1</sup> is halo, hydroxy, C<sub>1-6</sub>alkoxy, cyano, amino, N-C<sub>1-6</sub>alkylamino, N,N-(C<sub>1-6</sub>alkyl)<sub>2</sub>amino, carboxy, C<sub>1-6</sub>alkoxycarbonyl, carbamoyl, N-C<sub>1-6</sub>alkylcarbamoyl or N,N-(C<sub>1-6</sub>alkyl)<sub>2</sub>carbamoyl, p is 1 - 6, and B<sup>1</sup> is a bond, oxy, imino, N-(C<sub>1-6</sub>alkyl)imino or -NHC(O)-, with the proviso that p is 2 or more unless B<sup>1</sup> is a bond or -NHC(O)-, or any aryl, heteroaryl or heterocyclyl group in a R<sup>4</sup> group may be optionally substituted with one or more groups of the Formula (IB'):



wherein D<sup>1</sup> is aryl, heteroaryl or heterocyclyl and E<sup>1</sup> is a bond, C<sub>1-6</sub>alkylene, oxyC<sub>1-6</sub>alkylene, oxy, imino, N-(C<sub>1-6</sub>alkyl)imino, iminoC<sub>1-6</sub>alkylene, N-(C<sub>1-6</sub>alkyl)-iminoC<sub>1-6</sub>alkylene, C<sub>1-6</sub>alkylene-oxyC<sub>1-6</sub>alkylene, C<sub>1-6</sub>alkylene-iminoC<sub>1-6</sub>alkylene, C<sub>1-6</sub>alkylene-N-(C<sub>1-6</sub>alkyl)-iminoC<sub>1-6</sub>alkylene, -NHC(O)-, -NH<sub>2</sub>SO<sub>2</sub>-, -SO<sub>2</sub>NH- or -NHC(O)-C<sub>1-6</sub>alkylene-,

and any aryl, heteroaryl or heterocyclyl group in a substituent on R<sup>4</sup> may be optionally substituted with one or more groups selected from hydroxy, halo, C<sub>1-6</sub>alkyl, C<sub>1-6</sub>alkoxy, carboxy, C<sub>1-6</sub>alkoxycarbonyl, carbamoyl, N-C<sub>1-6</sub>alkylcarbamoyl, N-(C<sub>1-6</sub>alkyl)<sub>2</sub>carbamoyl, C<sub>2-6</sub>alkanoyl, amino, N-C<sub>1-6</sub>alkylamino and N,N-(C<sub>1-6</sub>alkyl)<sub>2</sub>amino,

and any C<sub>3-7</sub>cycloalkyl or heterocyclyl group in a R<sup>4</sup> group may be optionally substituted with one or two oxo or thioxo substituents,

and any of the R<sup>4</sup> groups defined hereinbefore which comprises a CH<sub>2</sub> group which is attached to 2 carbon atoms or a CH<sub>3</sub> group which is attached to a carbon atom may optionally

bear on each said CH<sub>2</sub> or CH<sub>3</sub> group a substituent selected from hydroxy, amino, C<sub>1-6</sub>alkoxy, N-C<sub>1-6</sub>alkylamino, N,N-(C<sub>1-6</sub>alkyl)<sub>2</sub>amino and heterocyclyl;  
R<sup>5</sup> is hydrogen, halo, trifluoromethyl, cyano, nitro, amino, hydroxy, C<sub>1-6</sub>alkyl, C<sub>2-6</sub>alkenyl, C<sub>2-6</sub>alkynyl, C<sub>1-6</sub>alkoxy, N-C<sub>1-6</sub>alkylamino or N,N-(C<sub>1-6</sub>alkyl)<sub>2</sub>amino;  
q is 0, 1, 2, 3 or 4;  
or a pharmaceutically acceptable salt or an *in vivo* cleavable ester thereof;  
~~with the proviso that 7-amino-4-(3-acetamidoanilino)pyrido[4,3-d]pyrimidine is excluded.~~

Claim 2 (previously amended): A bicyclic compound of the Formula (I) according to claim 1 wherein:

the bicyclic ring formed by the fusion of ring X to the adjacent nitrogen-containing 6-membered heteroaryl ring within Formula (I) is furopyrimidinyl, thienopyrimidinyl, pyrrolopyrimidinyl, oxazolopyrimidinyl, thiazolopyrimidinyl, purinyl, pyridopyrimidinyl, pyrimidopyrimidinyl or pteridinyl;

*C1 contd*  
m is 0 or m is 1 and each R<sup>1</sup> is independently hydroxy, halo, C<sub>1-6</sub>alkyl, C<sub>1-6</sub>alkoxy, C<sub>1-6</sub>alkylS(O)<sub>n</sub>- (wherein n is 0-2), N,N-(C<sub>1-6</sub>alkyl)<sub>2</sub>aminoC<sub>1-6</sub>alkyl, N,N-(C<sub>1-6</sub>alkyl)<sub>2</sub>carbamoylC<sub>1-6</sub>alkoxy, N,N-(C<sub>1-6</sub>alkyl)<sub>2</sub>aminoC<sub>1-6</sub>alkoxy, C<sub>1-6</sub>alkylS(O)<sub>2</sub>-C<sub>1-6</sub>alkoxy, N,N-(C<sub>1-6</sub>alkyl)<sub>2</sub>amino-N-(C<sub>1-6</sub>alkyl)C<sub>1-6</sub>alkylamino, N,N-(C<sub>1-6</sub>alkyl)<sub>2</sub>aminoC<sub>1-6</sub>alkylaminoC<sub>1-6</sub>alkyl, piperidin-1-ylC<sub>1-6</sub>alkyl, homopiperidin-1-ylC<sub>1-6</sub>alkyl, N-(C<sub>1-6</sub>alkyl)piperidin-1-ylC<sub>1-6</sub>alkyl, N-(C<sub>1-6</sub>alkyl) homopiperidin-1-ylC<sub>1-6</sub>alkyl, piperazin-1-ylC<sub>1-6</sub>alkyl, 4-C<sub>1-6</sub>alkylpiperazin-1-ylC<sub>1-6</sub>alkyl, homopiperazinyl-1-ylC<sub>1-6</sub>alkyl, 4-C<sub>1-6</sub>alkylhomopiperazinyl-1-ylC<sub>1-6</sub>alkyl, pyrrolidinylC<sub>1-6</sub>alkoxy, piperidinylC<sub>1-6</sub>alkoxy, homopiperidinylC<sub>1-6</sub>alkoxy, N-(C<sub>1-6</sub>alkyl)pyrrolidinylC<sub>1-6</sub>alkoxy, N-(C<sub>1-6</sub>alkyl)piperidinylC<sub>1-6</sub>alkoxy, N-(C<sub>1-6</sub>alkyl)homopiperidinylC<sub>1-6</sub>alkoxy, morpholinylC<sub>1-6</sub>alkoxy, piperazinylC<sub>1-6</sub>alkoxy, N-(C<sub>1-6</sub>alkyl)piperazinylC<sub>1-6</sub>alkoxy, homopiperazinylC<sub>1-6</sub>alkoxy, N-(C<sub>1-6</sub>alkyl)homopiperazinylC<sub>1-6</sub>alkoxy, pyrrolidinyloxy, N-(C<sub>1-6</sub>alkyl)pyrrolidinyloxy, piperidinyloxy, N-(C<sub>1-6</sub>alkyl)piperidinyloxy, homopiperidinyloxy, N-(C<sub>1-6</sub>alkyl)homopiperidinyloxy, morpholinylC<sub>1-6</sub>alkylaminoC<sub>1-6</sub>alkyl, thiazolylC<sub>1-6</sub>alkoxy or pyridylC<sub>1-6</sub>alkoxy;

R<sup>2</sup> is hydrogen, C<sub>1-4</sub>alkyl or halo;

R<sup>3</sup> is hydrogen, C<sub>1-4</sub>alkyl or halo;

q is 0;

R<sup>4</sup> is phenyl, thienyl, furyl, oxazolyl, isoxazolyl, pyrimidyl or pyridyl optionally substituted by one or two halo, trifluoromethyl, cyano, C<sub>1-4</sub>alkyl, C<sub>1-4</sub>alkoxy, -O-(C<sub>1-3</sub>alkyl)-O-, *N,N*-(C<sub>1-4</sub>alkyl)<sub>2</sub>amino, C<sub>1-6</sub>alkanoylamino, C<sub>1-6</sub>alkylsulphonyl-*N*-(C<sub>1-6</sub>alkyl)amino, phenyl (optionally substituted by one or two halo groups), furyl, azetidiny, pyrrolidiny, 3-pyrroliny, piperidino, homopiperidiny, morpholino, piperaziny, homopiperaziny, *N*-(C<sub>1-6</sub>alkyl)piperaziny and *N*-(C<sub>1-6</sub>alkyl)homopiperaziny, or R<sup>4</sup> is fluorenyl or dibenzofurany; and

R<sup>5</sup> is hydrogen;

or a pharmaceutically acceptable salt or an *in vivo* cleavable ester thereof.

Claim 3 (original, reformatted): A bicyclic compound of the Formula (I) according to claim 1 wherein:

the bicyclic ring formed by the fusion of ring X to the adjacent nitrogen-containing 6-membered heteroaryl ring within Formula (I) is furopyrimidinyl, thienopyrimidinyl, pyrrolopyrimidinyl, oxazolopyrimidinyl, thiazolopyrimidinyl, purinyl, pyridopyrimidinyl, pyrimidopyrimidinyl or pteridinyl;

m is 0 or m is 1 and each R<sup>1</sup> is independently hydroxy, halo, C<sub>1-6</sub>alkyl, C<sub>1-6</sub>alkoxy,

C<sub>1-6</sub>alkylS(O)<sub>n</sub>- (wherein n is 0-2), *N,N*-(C<sub>1-6</sub>alkyl)<sub>2</sub>aminoC<sub>1-6</sub>alkyl,

*N,N*-(C<sub>1-6</sub>alkyl)<sub>2</sub>carbamoylC<sub>1-6</sub>alkoxy, *N,N*-(C<sub>1-6</sub>alkyl)<sub>2</sub>aminoC<sub>1-6</sub>alkoxy,

C<sub>1-6</sub>alkylS(O)<sub>2</sub>-C<sub>1-6</sub>alkoxy, *N,N*-(C<sub>1-6</sub>alkyl)<sub>2</sub>amino-*N*-(C<sub>1-6</sub>alkyl)C<sub>1-6</sub>alkylamino,

*N,N*-(C<sub>1-6</sub>alkyl)<sub>2</sub>aminoC<sub>1-6</sub>alkylaminoC<sub>1-6</sub>alkyl, piperazin-1-ylC<sub>1-6</sub>alkyl, 4-C<sub>1-6</sub>alkylpiperazin-

1-ylC<sub>1-6</sub>alkyl, homopiperaziny-1-ylC<sub>1-6</sub>alkyl, 4-C<sub>1-6</sub>alkylhomopiperaziny-1-ylC<sub>1-6</sub>alkyl,

pyrrolidinylC<sub>1-6</sub>alkoxy, piperidinylC<sub>1-6</sub>alkoxy, *N*-(C<sub>1-6</sub>alkyl)pyrrolidinylC<sub>1-6</sub>alkoxy,

*N*-(C<sub>1-6</sub>alkyl)piperidinylC<sub>1-6</sub>alkoxy, morpholinylC<sub>1-6</sub>alkoxy, piperazinyC<sub>1-6</sub>alkoxy,

*N*-(C<sub>1-6</sub>alkyl)piperazinyC<sub>1-6</sub>alkoxy, homopiperazinyC<sub>1-6</sub>alkoxy,

*N*-(C<sub>1-6</sub>alkyl)homopiperazinyC<sub>1-6</sub>alkoxy, pyrrolidinylloxy, piperidinylloxy,

morpholinylC<sub>1-6</sub>alkylaminoC<sub>1-6</sub>alkyl or pyridylC<sub>1-6</sub>alkoxy;

R<sup>2</sup> is hydrogen, C<sub>1-4</sub>alkyl or halo;

R<sup>3</sup> is hydrogen, C<sub>1-4</sub>alkyl or halo;

q is 0;

R<sup>4</sup> is phenyl, thienyl, furyl, oxazolyl, isoxazolyl, pyrimidyl or pyridyl optionally substituted by one or two halo, cyano, C<sub>1-4</sub>alkyl, C<sub>1-4</sub>alkoxy, *N,N*-(C<sub>1-4</sub>alkyl)<sub>2</sub>amino, piperidinyl, morpholino or piperazinyl; and

R<sup>5</sup> is hydrogen;

or a pharmaceutically acceptable salt or an *in vivo* cleavable ester thereof.

Claim 4 (presently amended): A bicyclic compound of the Formula (I) according to claim 1 wherein:

the bicyclic ring formed by the fusion of ring X to the adjacent nitrogen-containing 6-membered heteroaryl ring within Formula (I) is furo[3,2-*d*]pyrimidinyl, furo[2,3-*d*]pyrimidinyl, thieno[3,2-*d*]pyrimidinyl, thieno[2,3-*d*]pyrimidinyl, pyrrolo[3,2-*d*]pyrimidinyl, pyrrolo[2,3-*d*]pyrimidinyl, oxazolo[5,4-*d*]pyrimidinyl, oxazolo[4,5-*d*]pyrimidinyl, thiazolo[5,4-*d*]pyrimidinyl, thiazolo[4,5-*d*]pyrimidinyl, purinyl, pyrido[2,3-*d*]pyrimidinyl, pyrido[3,4-*d*]pyrimidinyl, pyrido[4,3-*d*]pyrimidinyl, pyrido[3,2-*d*]pyrimidinyl, pyrimido[4,5-*d*]pyrimidinyl, pyrimido[5,6-*d*]pyrimidinyl or pteridinyl;

m is 0 or m is 1 and each R<sup>1</sup> is independently methyl, methoxy, methylthio, 2-diisopropylaminoethoxy, 3-diethylaminopropoxy, 3-morpholinopropoxy or 3-pyrrolidin-1-ylpropoxy;

R<sup>2</sup> is hydrogen, methyl, fluoro or chloro;

R<sup>3</sup> is hydrogen;

q is 0;

R<sup>4</sup> is phenyl optionally substituted by one or two groups selected from fluoro, chloro, trifluoromethyl, cyano, methyl, methoxy, ethoxy, methylenedioxy, *N,N*-dimethylamino, acetamido, *N*-methylmethanesulphonamido, phenyl, 4-fluorophenyl, 4-chlorophenyl, 2-furyl, azetidin-1-yl, pyrrolidin-1-yl, 3-pyrrolin-1-yl, piperidino, homopiperidin-1-yl, morpholino,

piperazin-1-yl, homopiperazin-1-yl, 4-methylpiperazin-1-yl and 4-methylhomopiperazin-1-yl,  
or R<sup>4</sup> is pyridyl optionally substituted by a *N,N*-dimethylamino, *N,N*-diethylamino, azetidin-1-yl, pyrrolidin-1-yl, 3-pyrrolin-1-yl, piperidino, homopiperidin-1-yl, morpholino, piperazin-1-yl, homopiperazin-1-yl, 4-methylpiperazin-1-yl or 4-methylhomopiperazin-1-yl group, or R<sup>4</sup> is 1-fluorenyl or dibenzofuran-4-yl; and  
R<sup>5</sup> is hydrogen;  
or a pharmaceutically acceptable salt or an *in vivo* cleavable ester thereof.

Claim 5 (original, reformatted): A bicyclic compound of the Formula (I) according to claim 1 wherein:

the bicyclic ring formed by the fusion of ring X to the adjacent nitrogen-containing 6-membered heteroaryl ring within Formula (I) is furo[3,2-*d*]pyrimidinyl, furo[2,3-*d*]pyrimidinyl, thieno[3,2-*d*]pyrimidinyl, thieno[2,3-*d*]pyrimidinyl, pyrrolo[3,2-*d*]pyrimidinyl, pyrrolo[2,3-*d*]pyrimidinyl, oxazolo[5,4-*d*]pyrimidinyl, oxazolo[4,5-*d*]pyrimidinyl, thiazolo[5,4-*d*]pyrimidinyl, thiazolo[4,5-*d*]pyrimidinyl, purinyl, pyrido[2,3-*d*]pyrimidinyl, pyrido[3,4-*d*]pyrimidinyl, pyrido[4,3-*d*]pyrimidinyl, pyrido[3,2-*d*]pyrimidinyl, pyrimido[4,5-*d*]pyrimidinyl, pyrimido[5,6-*d*]pyrimidinyl or pteridinyl;

*contd*  
m is 0 or m is 1 and each R<sup>1</sup> is independently methyl, methoxy, methylthio, 2-diisopropylaminoethoxy, 3-diethylaminopropoxy, 3-morpholinopropoxy or 3-pyrrolidin-1-ylpropoxy;

R<sup>2</sup> is hydrogen, methyl, fluoro or chloro;

R<sup>3</sup> is hydrogen;

q is 0;

R<sup>4</sup> is pyridyl optionally substituted by a *N,N*-dimethylamino, *N,N*-diethylamino, pyrrolidin-1-yl, piperidino or morpholino group; and

R<sup>5</sup> is hydrogen;

or a pharmaceutically acceptable salt or an *in vivo* cleavable ester thereof.

Claim 6 (original, reformatted): A bicyclic compound of the Formula (I) according to Claim 1 wherein:

the bicyclic ring formed by the fusion of ring X to the adjacent nitrogen-containing

6-membered heteroaryl ring within Formula (I) is thieno[3,2-*d*]pyrimidin-4-yl, thieno[2,3-*d*]pyrimidin-4-yl, thiazolo[5,4-*d*]pyrimidin-7-yl, 6-purinyl, pyrido[2,3-*d*]pyrimidin-4-yl, pyrido[3,4-*d*]pyrimidin-4-yl, pyrido[4,3-*d*]pyrimidin-4-yl, pyrido[3,2-*d*]pyrimidin-4-yl or pteridin-4-yl;

m is 0 or m is 1 and R<sup>1</sup> is methyl or methylthio;

R<sup>2</sup> is methyl;

R<sup>3</sup> is hydrogen;

q is 0;

R<sup>4</sup> is phenyl, 3-fluorophenyl, 4-cyanophenyl, 2-methylphenyl, 2-methoxyphenyl, 3-methoxyphenyl, 3-ethoxyphenyl, 3,4-dimethoxyphenyl, 3,4-methylenedioxyphenyl, 3-(*N,N*-dimethylamino)phenyl, 3-acetamidophenyl, 3-(4-fluorophenyl)phenyl, 3-(2-furyl)phenyl, 3-pyrrolidin-1-ylphenyl, 3-morpholinophenyl, 3-fluoro-5-pyrrolidin-1-ylphenyl, 3-fluoro-5-piperidinophenyl, 3-fluoro-5-morpholinophenyl or 3-morpholino-5-trifluoromethylphenyl, or R<sup>4</sup> is 2-morpholinopyrid-4-yl, or R<sup>4</sup> is 1-fluorenyl or dibenzofuran-4-yl; and

R<sup>5</sup> is hydrogen;

or a pharmaceutically acceptable salt or an *in vivo* cleavable ester thereof.

Claim 7 (original, reformatted): A bicyclic compound of the Formula (I) according to claim 1 wherein:

the bicyclic ring formed by the fusion of ring X to the adjacent nitrogen-containing

6-membered heteroaryl ring within Formula (I) is thieno[3,2-*d*]pyrimidin-4-yl, thieno[2,3-*d*]pyrimidin-4-yl, thiazolo[5,4-*d*]pyrimidin-7-yl, pyrido[2,3-*d*]pyrimidin-4-yl, pyrido[3,4-*d*]pyrimidin-4-yl, pyrido[4,3-*d*]pyrimidin-4-yl, pyrido[3,2-*d*]pyrimidin-4-yl or pteridin-4-yl;

m is 0 or m is 1 and R<sup>1</sup> is methyl or methylthio;

R<sup>2</sup> is methyl;



R<sup>3</sup> is hydrogen;

q is 0;

R<sup>4</sup> is 2-morpholinopyrid-4-yl; and

R<sup>5</sup> is hydrogen;

or a pharmaceutically acceptable salt or an *in vivo* cleavable ester thereof.

Claim 8 (original): A bicyclic compound of the Formula (I) according to claim 1 selected from :-

4-[2-methyl-5-(2-morpholinopyridine-4-carboxamido)anilino]thieno[3,2-*d*]pyrimidine,

4-[2-methyl-5-(2-morpholinopyridine-4-carboxamido)anilino]pyrido[4,3-*d*]pyrimidine,

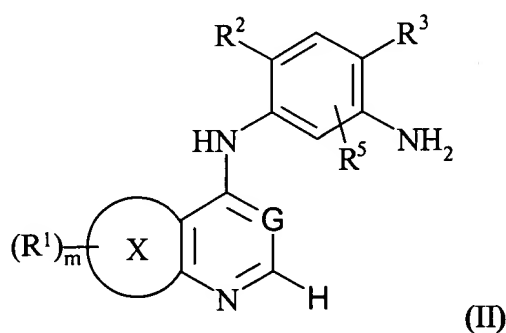
4-[2-methyl-5-(2-morpholinopyridine-4-carboxamido)anilino]pteridine and

6-[2-methyl-5-(2-morpholinopyridine-4-carboxamido)anilino]purine;

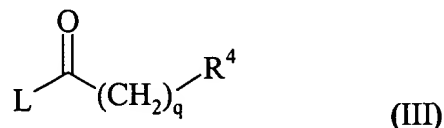
or a pharmaceutically acceptable salt or an *in vivo* cleavable ester thereof.

Claim 9 (original, reformatted): A process for preparing a compound of the Formula (I), or a pharmaceutically acceptable salt or an *in vivo* cleavable ester thereof, according to claim 1 which comprises:

a) reacting an aniline of the Formula (II):

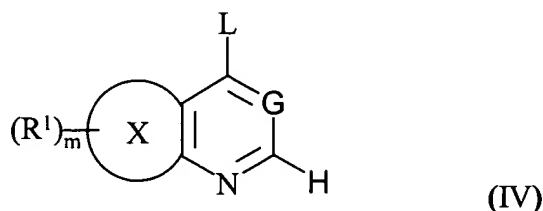


with an acyl compound of the Formula (III):

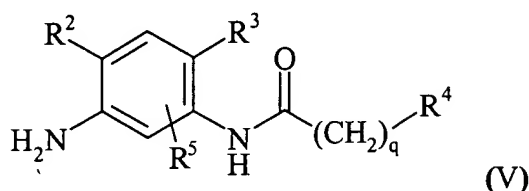


wherein G, R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup>, R<sup>5</sup>, ring X, m and q are as defined in claim 1 and L is a displaceable group;

b) reacting an activated bicyclic heteroaryl ring of the Formula (IV):



wherein G, R<sup>1</sup>, ring X and m are as defined in claim 1 and wherein L is a displaceable group, with an aniline of the Formula (V):



wherein R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup>, R<sup>5</sup> and q are as defined in claim 1; or

c) for the preparation of a compound of the Formula (I) wherein R<sup>1</sup> or a substituent on R<sup>4</sup> is C<sub>1-6</sub>alkoxy or substituted C<sub>1-6</sub>alkoxy, C<sub>1-6</sub>alkylS-, N-C<sub>1-6</sub>alkylamino, N,N-(C<sub>1-6</sub>alkyl)<sub>2</sub>amino or substituted C<sub>1-6</sub>alkylamino, the alkylation, conveniently in the presence of a suitable base, of a compound of the Formula (I) wherein R<sup>1</sup> or a substituent on R<sup>4</sup> is hydroxy, mercapto or amino as appropriate;

and thereafter if necessary:

- i) converting a compound of the Formula (I) into another compound of the Formula (I);
- ii) removing any protecting groups; and
- iii) forming a pharmaceutically acceptable salt or *in vivo* cleavable ester.

Claim 10. (previously amended): A pharmaceutical composition which comprises a bicyclic compound of the Formula (I), or a pharmaceutically acceptable salt or *in vivo* cleavable ester thereof, according to any one of claims 1-8 in association with a pharmaceutically acceptable diluent or carrier.

Claim 11 (cancelled).

Claim 12 (previously amended): A method of treating a disease or medical condition mediated by cytokines which comprises administering to a warm-blooded animal in need thereof an effective amount of a bicyclic compound of the Formula (I), or a pharmaceutically acceptable salt or an *in vivo* cleavable ester thereof, according to any one of claims 1-8.

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Claim 13 (previously added): A method of treating a disease or medical condition mediated by cytokines which comprises administering to a warm-blooded animal in need thereof an effective amount of the compound 7-amino-4-(3-acetamidoanilino)pyrido[4,3-*d*]pyrimidine.

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